

ccccgccg agtgagctct cccccagtc agccaaatga gcctcttcgg gcttctcctg 60  
 gtgacatctg cctggccgg ccagagacga gggactcagg cggaatccaa cctgagtagt 120  
 aaattccagt ttccagcaa caaggaacag aacggagtac aagatcctca gcatgagaga 180  
 attattactg tgtctactaa tggaaattt cacagcccaa ggttctctca tacttatcca 240  
 agaaatccgg tcttggtagt gagattagta gcagtagagg aaatgtatg gatacaactt 300  
 acgtttgatg aaagatttgg gcttgaagac ccagaagatg acatatgcaa gtatgatttt 360  
 gtagaatttg aggaaccacg tgaatgaact atattagggc gctgggtgtg tcttggtagt 420  
 glaccaggaa aacagatttc taaaggaat caaattagga taagatttgt atctgatgaa 480  
 tattttcctt ctgaaccagg gttctgcac cactacaaca ttgtcatgcc acaattcaca 540  
 gaagctgtga gtccttcagt gctacccct tcagctttgc cactggacct gcttaataat 600  
 gctataactg cctttaglac cttggaagac ctatttcgat atcttgaacc agagagatgg 660  
 cagttggact tagaagatct atataggcca acttggcaac ttcttggcaa ggccttttgtt 720  
 tttggaagaa aatccagagt ggttgaatctg aaccttctaa cagaggaggt aagattatcc 780  
 agctgcacac ctctgaactt ctcagtglec ataaggggaag aactaaagag aaccgatacc 840  
 attttctggc caggttgtct cctggttaaa cgtcttggtg ggaactgtgc ctgttgtctc 900  
 cacaattgca atgaatgta atgtgtccca agcaaaagta ctaaaaaata ccacagggtc 960  
 cttcagttga gaccaaagac cgtgttcagg ggattgcaca aatcactcac cgacgtggcc 1020  
 ctggagcacc atgaggagtg tgactgtgtg tgcagaggga gcacaggagg atagccgat 1080  
 caccaccagc agctcttgcc caafctctg cagtgcagtg gctgattcta ttagagaacg 1140  
 tatgcgttat ctccatcctt aatctcagtt gtttgcctta aggaaccttc atcttcagga 1200

FIG. 1A

ttacagtg atctgaag aggagacac aacagaaat aggactgtg caacagctc 1260  
 ttgagagga ggcctaaag acaggagaa aggtcttcaa tcgtggaaag aaaattaaat 1320  
 gttgtattaa atagatcac agctagtct aggtcacca tgaactatt ccactagctg 1380  
 ggttctgtat ttacgttctt tcgatcggc ttgggtaat gtcagtacag gaaaaaact 1440  
 gtgcaagtga gcacctgatt ccgttgctt gcttaactct aagctccat gtcctgggcc 1500  
 taaaatcga taaaatcgg atttttttt tttttttgc tcatattcac atatgtaac 1560  
 cagaacattc tatgtactac aaacctgggt tttaaaaagg aactatgtg ctatgaatta 1620  
 aacttgtgc rtgctgatg gacagactgg attttcat tttctatta aaatttctgc 1680  
 cattagaag aagagaacta cattcatgg ttggaagaga taaacctgaa aagaagagt 1740  
 gccttatct caattatcg ataagtaact ttattgttt cattgtgac atttttat 1800  
 tctcttttg acattatac tgttggttt tctaacttg ttaaatatat ctattttac 1860  
 caaaggat taaatcttt ttttatgac acttagaca actatttta gcttggtaaa 1920  
 tttttctaaa caaatgtt atagccagag gaacaaagat ggalataaaa atattgtgc 1980  
 cctggacaaa aatcatgta tntccatccc ggaatgggc tagagtggg ttaaacctgc 2040  
 attttaaaaa acctgaattg ggaanggaan ttgtaaggt tggccaaac tttttgaa 2100  
 ataattaa

2108

FIG. 1B

Met	Ser	Leu	Phe	Gly	Leu	Leu	Leu	Cal	Thr	Ser	Ala	Leu	Ala	Gly	Gln	1	5	10	15
Arg	Arg	Gly	Thr	Gln	Ala	Glu	Ser	Asn	Leu	Ser	Ser	Lys	Phe	Gln	Phe	20	25	30	
Ser	Ser	Asn	Lys	Glu	Gln	Asn	Gly	Val	Gln	Asp	Pro	Gln	His	Glu	Arg	35	40	45	
Ile	Ile	Thr	Val	Ser	Thr	Asn	Gly	Ser	Ile	His	Ser	Pro	Arg	Phe	Pro	50	55	60	
His	Thr	Tyr	Pro	Arg	Asn	Thr	Val	Leu	Val	Trp	Arg	Leu	Val	Ala	Val	65	70	75	80
Glu	Glu	Asn	Val	Trp	Ile	Gln	Leu	Thr	Phe	Asp	Glu	Arg	Phe	Gly	Leu	85	90	95	
Glu	Asp	Pro	Glu	Asp	Asp	Ile	Cys	Lys	Gly	Asp	Phe	Val	Glu	Val	Glu	100	105	110	
Glu	Pro	Ser	Asp	Gly	Thr	Ile	Leu	Gly	Arg	Trp	Cys	Gly	Ser	Gly	Thr	115	120	125	
Val	Pro	Gly	Lys	Gln	Ile	Ser	Lys	Gly	Asn	Gln	Ile	Arg	Ile	Arg	Phe	130	135	140	
Val	Ser	Asp	Glu	Tyr	Phe	Pro	Ser	Glu	Pro	Gly	Phe	Cys	Ile	His	Tyr	145	150	155	160
Asn	Ile	Val	Met	Pro	Gln	Phe	Thr	Glu	Ala	Val	Ser	Pro	Ser	Val	Leu	165	170	175	
Pro	Pro	Ser	Ala	Leu	Pro	Leu	Asp	Leu	Leu	Asn	Asn	Ala	Ile	Thr	Ala	180	185	190	
Phe	Ser	Thr	Leu	Glu	Asp	Leu	Ile	Arg	Tyr	Leu	Glu	Pro	Glu	Arg	Trp	195	200	205	
Gln	Leu	Asp	Leu	Glu	Asp	Leu	Tyr	Arg	Pro	Thr	Trp	Gln	Leu	Leu	Gly	210	215	220	
Lys	Ala	Phe	Val	Phe	Gly	Arg	Lys	Ser	Arg	Val	Val	Asp	Leu	Asn	Leu	225	230	235	240
Leu	thr	Glu	Glu	Val	Arg	Leu	Tyr	Ser	Cys	Thr	Pro	Arg	Asn	Phe	Ser	245	250	255	
Val	Ser	Ile	Arg	Glu	Glu	Leu	Lys	Arg	Thr	Asp	Thr	Ile	Phe	Trp	Pro	260	265	270	
Gly	Cys	Leu	Leu	Val	Lys	Arg	Cys	Gly	Gly	Asn	Cys	Ala	Cys	Cys	Leu	275	280	285	

FIG. 2A

His	Asn	Cys	Asn	Glu	Cys	Gln	Cys	Val	Pro	Ser	Lys	Val	Thr	Lys	Lys
	290					295					300				
Tyr	His	Glu	Val	Leu	Gln	Leu	Arg	Pro	Lys	Thr	Gly	Cal	Arg	Gly	Leu
305					310					315					320
His	Lys	Ser	Leu	Thr	Asp	Val	Ala	Leu	Glu	His	His	Glu	Glu	Cys	Asp
				325					330					335	
Cys	Val	Cys	Arg	Gly	Ser	Thr	Gly	Gly							
			340					345							

FIG. 2B

cgggtaaat ccagttttcc agcaacaagg aacagaacgg agtacaagat cctcagcatg 60  
 agagaattat tactgtgtct actaatggaa gtattcacag cccaagggtt cctcatactt 120  
 atccaagaaa tacggtcttg gtatggagat tagtagcagt agaggaaaat gtatggatoc 180  
 aacttacgtt tgatgaaaga ttltgggcttg aagaccaga agatgacata tgaagtalg 240  
 attttglaga agltgaggaa cccagtgatg gaactatatt agggcgcttg tgtggttctg 300  
 gtactgtacc aggaanaacag atttctaag gaattcaaat taggataaga ttgtatctg 360  
 atgaatattt tccttctgaa ccagggttct gcattccact caacattgic atgccacaat 420  
 tcacagaagc tgtgagtcct tcagtgtac ccccttcagc ttgcccactg gacctgtta 480  
 ataatgctat aactgccttt agtaccttg aagaccttat tcgatattt goaccagaga 540  
 gatggcagtt ggaactagaa gatctatata ggccaacttg gcaacttctt ggcaaggctt 600  
 ttgttttttg aagaaaatcc agagtggttg atctgaacct tctaacagag gaggtaagat 660  
 tatacagctg cacacctgt aacttctcag tgtccataag ggaagaacta aagagaaccg 720  
 ataccatttt ctggccaggt tgtctcctg ttaaacgctg tggltgggaa tgtgcctglt 780  
 gtctccacaa ttgcaatgaa tgtcaatglt tccaagcaa agttactaaa aataccacg 840  
 aggtccttca gtlgagacca aasaccggtg tcaggggatt gcacaatca ctaccgacg 900  
 tggccctgga gcaccatgag gagtgtgact gtgtgtgtag agggagcaca ggaggatagc 960  
 cgcataccaa ccagcagctc ttgccagag ctgtgcagtg cagtggtctga ttctattaga 1020  
 gaacgtatgc gttatctcca tcttaattc cagttgtttg cttaaggac ctltcatctt 1080  
 caggatttac agtgcattc gaaagaggag acatcaaaac gaattaggag ttgtgcaaca 1140  
 gctcttttga gaggaggcct aaaggacagg agaaaaggtc ttcaatcgtg gaaagaaaat 1200  
 taaatgttgt attaaataga tcaccagcta gtttcagagt taccatgtat gtattccact 1260  
 agctgggttc tgtatttcag ttctttcgt acggcttagg gtaatgtcag tacaggaaaa 1320  
 aaactgtgca agtgagcacc tgattccgtt gccttgctta actctaagc tccatgtcct 1380  
 gggcctaana tcgtataana tctggatttt ttttttttt ttgtctata ttacatatg 1440  
 taaaccagaa cattctatgt actcaaaacc tggtttttaa aaaggaaacta tglttgtatg 1500  
 aattaaactt gtgtcatgct gataggacag actgga 1536

FIG.3

Gly Lys Phe Gln Phe Ser Ser Asn Lys Glu Gln Asn Gly Val Gln Asp  
 1 5 10 15  
 Pro Gln His Glu Arg Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His  
 20 25 30  
 Ser Pro Arg Phe Pro His Thr Tyr Pro Arg Asn The Val Leu Val Trp  
 35 40 45  
 Arg Leu Val Ala Val Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp  
 50 55 60  
 Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp  
 65 70 75 80  
 Phe Val Glu Val Glu Glu Pro Ser Asp Gly The Ile Leu Gly Arg Trp  
 85 90 95  
 Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln  
 100 105 110  
 Ile Arg Ile Arg Phe Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly  
 115 120 125  
 Phe Cys Ile His Tyr Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val  
 130 135 140  
 Ser Pro Ser Val Leu Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn  
 145 150 155 160  
 Asn Ale Ile Thr Ala Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu  
 165 170 175  
 Glu Pro Glu Arg Trp Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr  
 180 185 190  
 Trp Gln Leu Leu Glu Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val  
 195 200 205  
 Val Asp Leu Asn Leu Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr  
 210 215 220  
 Pro Arg Asn Phe Ser Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp  
 225 230 235 240  
 the Ile Phe Trp Pro Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn  
 245 250 255  
 Cys Ala Cys Cys Leu His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser  
 260 265 270  
 Lys Val Thr Lys Lys Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr  
 275 280 285  
 Gly Val Arg Gly Leu His Lys Ser Leu Thr Asp Val Ala Leu Glu His  
 290 295 300  
 His Glu Glu Cys Asp Cys Val Cys Arg Gly Ser Thr Gly Gly  
 305 310 315

FIG.4

caccctggaga cacagaagag ggcctcagga aaaattttgg atggggatla tgtggaaact 60  
 accctgcgat tctctgctgc cagagccggc caggcgcttc caccgcagcg cagcccttcc 120  
 ccgggctggg ctgagccctg gagtcgtcgc tccccagtg cccgccgcga gtgagccctc 180  
 gccccagtea gccaaatgct cctcctcggc cctcctcggc ctcctcctgc gctggccggc 240  
 caaagaacgg ggactcgggc tgaagccaac ctgagcagca agttgcagct ctccagcgac 300  
 aaggaacaga acggagtgca agatccccgg catgagagag ttgtcactat atctggtaat 360  
 gggagcatcc acagcccgaa gtttctcat acgtacccaa gaaatatggt gctgggtlgg 420  
 agattagtgt cagtagatga tatagtgcgg atccagctga catttgatga gagattlggg 480  
 ctggaagatc cagaagacga tatatgcaag tatgattttg tagaattga ggagcccagt 540  
 gatggaagtg ttttaggacg ctgggtgtgt tctgggactg tgccaggaaa gcagacttct 600  
 aaaggaatc atatcaggat aagatttga tctgatgagt attttccatc tgaaccggga 660  
 ttctgcatcc actacagtat tatcatgcca caagtcacag aaaccacgag tcttctgggtg 720  
 ttgccccctt catctttgtc attggacctg ctcaacaatg ctgtgactgc cttcagtlacc 780  
 ttggaagagc tgattcggta cctagagcca gatcgatggc aggtggactt ggacagcctc 840  
 tacaagccaa catggcagct ttggggcaag gcttctctgt atgggaaaaa aagcaaatgt 900  
 gtgaatctga atctctcaa ggaagaggta aaactctaca gctgcacacc ccggaacttc 960  
 tcagtgacca tacgggaaga gctaaagagg acagatacca tatcttggcc aggttgtttt 1020  
 ctggtcaagt gctgtggagg aaattgtgcc tgtgtctcc ataattgcaa tgaatgtcag 1080  
 tgtgtccacc gtaaatgtac aaaaagtlac catgaggctc ttcagttgag accaaaaact 1140  
 ggagtlcaagg gattgcataa gtcaactcact gatgtggctc tggaacacca cgaggaaatgt 1200  
 gactgtgtgt gttagggaaa cgcaggaggg taactgcagc ctctgtagca gcacacgtga 1260  
 gcactggcat tctgtgtacc cccacaagca accttcatcc ccaccagcgt tggccgcagg 1320  
 gctctcagct gctgatgtcg gctatggtaa agatcttact cgtctccaac caaattctca 1380  
 gttgtttgct tcaatagcct tcccctgcag gacttcaagt gtcttctaaa agaccagagg 1440  
 caccaanagg agtcaatcac aaagcactgc accg 1474

FIG.5

Met	Leu	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Thr	Ser	Ala	Leu	Ala	Gly	Gln	1	5	10	15
Arg	Thr	Gly	Thr	Arg	Ala	Glu	Ser	Asn	Leu	Ser	Ser	Lys	Leu	Gln	Leu	20	25	30	
Ser	Ser	Asp	Lys	Glu	Gln	Asn	Gly	Val	Gln	Asp	Pro	Arg	His	Glu	Arg	35	40	45	
Val	Val	Thr	Ile	Ser	Gly	Asn	Gly	Ser	Ile	His	Ser	Pro	Lys	Phe	Pro	50	55	60	
His	Thr	Tyr	Pro	Arg	Asn	Met	Val	Leu	Val	Trp	Arg	Leu	Val	Ala	Val	65	70	75	80
Asp	Glu	Asn	Val	Arg	Ile	Gln	Leu	Thr	Phe	Asp	Glu	Arg	Phe	Gly	Leu	85	90	95	
Glu	Asp	Pro	Glu	Asp	Asp	Ile	Cys	Lys	Tyr	Asp	Phe	Val	Glu	Val	Glu	100	105	110	
Glu	Pro	Ser	Asp	Gly	Ser	Val	Leu	Gly	Arg	Trp	Cys	Gly	Ser	Gly	Thr	115	120	125	
Val	Pro	Gly	Lys	Gln	Thr	Ser	Lys	Gly	Asn	His	Ile	Arg	Ile	Arg	Phe	130	135	140	
Val	Ser	Asp	Glu	Tyr	Phe	Pro	Ser	Glu	Pro	Gly	Phe	Cys	Ile	His	Tyr	145	150	155	160
Ser	Ile	Ile	Met	Pro	Gln	Val	Thr	Glu	Thr	Thr	Ser	Pro	Ser	Val	Leu	165	170	175	
Pro	Pro	Ser	Ser	Leu	Ser	Leu	Asp	Leu	Leu	Asn	Asn	Ala	Val	Thr	Ala	180	185	190	
Phe	Ser	Thr	Leu	Glu	Glu	Leu	Ile	Arg	Tyr	Leu	Glu	Pro	Asp	Arg	Trp	195	200	205	
Gln	Val	Asp	Leu	Asp	Ser	Leu	Tyr	Lys	Pro	Thr	Trp	Gln	Leu	Leu	Gly	210	215	220	
Lys	Ala	Phe	Leu	Tyr	Gly	Lys	Lys	Ser	Lys	Val	Val	Asn	Leu	Asn	Leu	225	230	235	240
Leu	Lys	Glu	Glu	Val	Lys	Leu	Tyr	Ser	Cys	Thr	Pro	Arg	Asn	Phe	Ser	245	250	255	
Val	Ser	Ile	Arg	Glu	Glu	Leu	Lys	Arg	Thr	Asp	Thr	Ile	Phe	Trp	Pro	260	265	270	
Gly	Cys	Leu	Leu	Val	Lys	Arg	Cys	Gly	Gly	Asn	Cys	Ala	Cys	Cys	Leu	275	280	285	

FIG. 6A

His	Asn	Cys	Asn	Glu	Cys	Gln	Cys	Val	Pro	Arg	Lys	Val	Thr	Lys	Lys
	290					295					300				
Tyr	His	Glu	Val	Leu	Gln	Leu	Arg	Pro	Lys	Thr	Gly	Val	Lys	Gly	Leu
305					310					315					320
His	Lys	Ser	Leu	Thr	Asp	Val	Ala	Leu	Glu	His	His	Glu	Glu	Cys	Asp
				325					330					335	
Cys	Val	Cys	Arg	Gly	Asn	Ala	Gly	Gly							
			340					345							

FIG. 6B

hPDGF-C	M	S	L	F	G	L	L	V	T	S	A	L	A	G	Q	R	R	G	T	Q	A	E	S	N	L	S	S	K	F	Q	F	S	S	N	K	E	Q	N	G	40		
mPDGF-C	M	L	L	L	G	L	L	L	T	S	A	L	A	G	Q	R	T	G	T	R	R	E	S	N	L	S	S	K	L	Q	L	S	S	O	K	E	O	N	G	40		
hPDGF-C	V	Q	O	P	O	H	E	R	L	L	T	V	S	T	I	N	G	S	I	H	S	P	P	F	P	H	T	Y	F	R	N	T	V	L	V	N	R	L	V	A	V	80
mPDGF-C	V	Q	D	R	M	E	R	V	V	T	I	S	G	N	G	S	T	H	S	R	K	F	P	H	T	Y	F	R	N	M	V	L	V	N	R	L	V	A	V	80		
hPDGF-C	F	E	N	V	N	I	Q	L	T	F	D	E	R	F	G	L	E	D	P	E	D	I	C	K	Y	D	F	V	E	V	E	E	P	S	D	G	T	T	S	120		
mPDGF-C	G	E	N	V	R	I	Q	L	T	F	D	E	R	F	G	L	E	D	P	E	D	I	C	E	Y	D	F	V	E	V	E	E	P	S	D	G	S	V	S	120		
hPDGF-C	G	R	W	C	G	S	G	T	V	F	G	K	Q	I	S	K	G	N	O	I	R	I	R	F	V	S	D	E	Y	F	P	S	E	P	G	F	C	I	H	Y	160	
mPDGF-C	G	R	W	C	G	S	G	T	V	F	G	K	Q	T	S	K	G	N	H	I	R	I	R	F	V	S	D	E	Y	E	P	S	E	P	G	F	C	I	H	Y	160	
hPDGF-C	N	I	V	M	P	Q	F	T	E	A	V	S	P	S	V	L	P	P	S	S	L	P	L	D	L	N	N	A	I	T	A	F	S	T	L	F	D	L	I	200		
mPDGF-C	S	I	I	T	M	P	Q	V	T	E	T	S	P	S	V	L	P	P	S	S	L	S	L	D	L	N	N	A	V	T	A	F	S	T	L	F	D	L	I	200		
hPDGF-C	R	Y	L	E	P	F	R	W	Q	L	P	L	E	O	L	Y	E	F	T	W	Q	L	L	C	K	A	F	V	F	G	R	K	S	R	V	D	L	N	L	240		
mPDGF-C	R	Y	L	E	P	D	P	W	Q	V	P	L	P	S	L	Y	K	P	T	W	Q	L	L	G	F	A	F	L	Y	G	K	K	S	N	V	V	N	L	N	L	240	
hPDGF-C	L	T	E	E	V	R	L	Y	S	C	T	P	R	N	F	S	V	S	I	R	E	E	L	K	R	T	D	T	I	F	W	P	G	G	L	L	V	K	R	C	280	
mPDGF-C	L	K	I	F	V	K	L	Y	S	C	T	P	R	N	F	S	V	S	I	R	E	E	L	K	R	T	D	T	I	F	W	P	G	G	L	L	V	K	R	C	280	
hPDGF-C	G	G	N	C	A	C	C	L	R	N	C	N	E	C	Q	C	V	P	S	K	V	T	K	K	Y	H	E	V	L	Q	L	R	P	K	T	G	V	R	G	Y	320	
mPDGF-C	G	G	N	C	A	C	C	L	R	V	C	N	E	C	Q	C	V	P	R	K	V	T	K	K	Y	H	E	V	L	O	L	R	P	K	T	G	V	R	G	Y	320	
hPDGF-C	H	E	S	L	T	D	V	A	L	E	H	H	E	E	C	D	C	V	C	R	G	S	T	G	G															345		
mPDGF-C	H	E	S	L	T	D	V	A	L	E	H	H	E	E	C	D	C	V	C	R	G	N	A	G															345			

FIG. 7

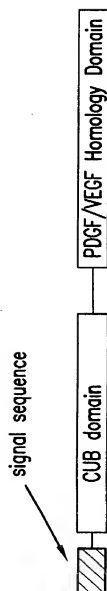


FIG.8

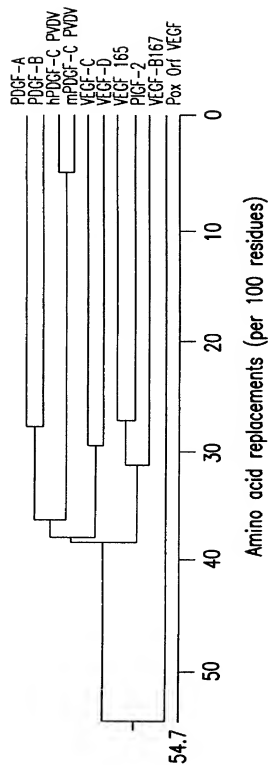


FIG.10

VEGF 165	-----	1
PIGF-2	-----	1
VEGF-B167	-----	1
Pgx Crf VEGF	-----	1
VEGF-C	MHLLGFFSVACSLLA AALLP[GP]REAPAAAA	30
VEGF-D	-----[MYGEWGMGNILMMFH]-----	15
PDGF-A	-----	1
PDGF-B	-----	1
hPDGF-C PVDV	-----	1
mPDGF-C PVDV	-----	1
VEGF 165	-----	1
PIGF-2	-----	1
VEGF-B167	-----	1
Pox Orf VEGF	-----	1
VEGF-C	AFESGLDLS[SDAE]PDAGEATAYAS[SKDLE][E]QL	60
VEGF-D	[VYLV]OGFRSEHGPYKDFSFERSSRSMLE[RS]	45
PDGF-A	----MRTLACLLLLGCGYLANVLAEEA[E]IP	26
PDGF-B	MNRCWALFLSLCCYLRLVSAEGDPIPE[E]LY	30
hPDGF-C PVDV	-----MPQFTEAVSP[S]VLPP[S]ALP[L]DLL	23
mPDGF-C PVDV	-----MPQVTETTS[P]SVLPP[S]ALS[L]DLL	23
VEGF 165	-----MNFLLSWVEW	10
PIGF-2	-----MPVMRLFPCF	10
VEGF-B167	-----MSPLL	5
Pox Orf VEGF	-----	1
VEGF-C	RSVSSVDELMTV[L]YPEYWKMYKCL[R]KGGW	90
VEGF-D	[E]OOTRAASSLEELL[O]AHSE[DWK]LWRCRLK	75
PDGF-A	REVI[ER]LAR[SI]HSIRDLQRLL[ED]SVGSE	56
PDGF-B	[E]MLSDHSIRSFDD[L]ORLLHGD[P]-----GEE	55
hPDGF-C PVDV	NNA[IT]AF[ST]LE[DL]IRYLEP[ER]WQ[L]DLE[DL]Y	53
mPDGF-C PVDV	NNAVT[AF]ST[LEEL]IRYLEPDR[W]QVDLDS[L]Y	53
VEGF 165	SLALLLLYLHAKWSQAAPM[A]EGGGQNHHEV	40
PIGF-2	[L]QLLAGLALPAVPPQQWALS[A]AGNGSS[E]VEV	40
VEGF-B167	RRLLLAALLQL[A]PAQAPVSQDPAPGHQRKV	35
Pox Orf VEGF	-----[M]KLLVGI[V]AVCLHQYLLNAD[SN]T	24
VEGF-C	QHNREQANLNS[SR]TEETIKFAAAH[Y]NTE[I]-L	119
VEGF-D	[L]KSLASMD[SR]SASHRSTRFAATFYDTET[-]L	104
PDGF-A	DSLDT[S]LRAHGVH--A[IK]HVPEKRPLRIR	84
PDGF-B	DGAELDLNMT[RS]HSGGELES[LR]GRRSLGS	85
hPDGF-C PVDV	RPTWQLLGKAFVF[G[R]K[S[R]]-----VVD[L]	75
mPDGF-C PVDV	KPTWQLLGKAFLYGK[SK]-----VVN[L]	75

FIG. 9A

VEGF 165 V K F M D V Y O R S Y C H P I E T L V D I F Q E Y P D E I E 70  
 PlGF-2 V P F Q E V W G R S Y C R A L E R L V D V V S E Y P S E V E 70  
 VEGF-B167 V S W I D V Y T R A T C Q P R E V V V P L T V E L M G T V A 65  
 Pox Orf VEGF K G W S E V L K G S E C K P R P I V V P V S E T H P E L T S 54  
 VEGF-C K S I D N E W R K T Q C M P R E V C I D V G K E F G V A T N 149  
 VEGF-D K V I D E E W D R T Q C S P R E T C V E V A S E L G K T T N 134  
 PDGF-A K R S T I E E A V P A V C K T R T V I Y E I P R S Q V D P T S 114  
 PDGF-B L T I A E P A M I A E C K T R T E V F E I S R R L I D R T N 115  
 hPDGF-C PVDV N L L T E E V R L Y S C T P R N F S V S I - R E E L K R T D 104  
 mPDGF-C PVDV N L L K E E V K L Y S C T P R N F S V S I - R E E L K R T D 104

VEGF 165 Y I F K - - P S C V P L M R C G G - - - C C N D E G L E C V 95  
 PlGF-2 H M F S - - P S C V S L L R C T G - - - C C G D E D L H C V 95  
 VEGF-B167 K Q L V - - P S C V T V Q R C G G - - - C C P D D G L E C V 90  
 Pox Orf VEGF Q R F N - - P P C V T L M R C G G - - - C C N D E S L E C V 79  
 VEGF-C T F F K - - P P C V S V Y R C G G - - - C C N S E G L Q C M 174  
 VEGF-D T F F K - - P P C V N V F R C G G - - - C C N E G V M C M 159  
 PDGF-A A N F L I W P P C V E V K R C T G - - - C C N T S S V K C Q 141  
 PDGF-B A N F L V W P P C V E V Q R C S G - - - C C N N R N V Q C R 142  
 hPDGF-C PVDV T I F - - W P G C L L V K R C G G N C A C C L H N C N E C Q 132  
 mPDGF-C PVDV T I F - - W P G C L L V K R C G G N C A C C L E N C N E C Q 132

VEGF 165 P T E E S N I T M Q I M R I K - - - P H Q G Q - - - - H I 117  
 PlGF-2 P V E T A N V T M Q L L K I R - - - S G D R P - - - - S Y 117  
 VEGF-B167 P T G Q H Q V R M Q I L M I R Y - - - P S S Q L - - - - - 111  
 Pox Orf VEGF P T E E V N V S M E L L G A S G S G S N G M Q - - - - R L 104  
 VEGF-C N T S T S Y L S K I L F E I T V - - - P L S Q G - - - - P K 197  
 VEGF-D N T S T S Y I S K O L F E I S V - - - P L T S V - - - - P E 182  
 PDGF-A P S R V H H R S V K V A K V E Y V R K K P K L - - - - K E 166  
 PDGF-B P T Q V Q L R P V Q V R K L E I V R K K P I F - - - - K K 167  
 hPDGF-C PVDV C V P - S K V T K K Y H E V L Q L R P K T G V R G L H K S L 161  
 mPDGF-C PVDV C V P - R K V T K K Y H E V L Q L R P K T G V K G L H K S L 161

VEGF 165 G E M S F L Q H N K - C E C R P K K - - - - - - - - D R 136  
 PlGF-2 V E L T F S Q H V R - C E C R P L R E - - - - K M K P E R R 142  
 VEGF-B167 G E M S L E H S Q - C E C R P K K K - - - - - D S A V K P 135  
 Pox Orf VEGF S F V E H K K - - - C D C R P R F T - - - - - T T P P 123  
 VEGF-C P V I T I S F A N H T S C R C M S K L D - - - V Y R Q V H S I 224  
 VEGF-D L V P V K I A N H T G C K C L P T G P - - - - - R H P Y S I 207  
 PDGF-A V Q V R L E E H L E - C A C A T I S L N P D Y R E E D T G R 195  
 PDGF-B A T V T L E D H L A - C K C E T V A A A R P V T R S P G G S 196  
 hPDGF-C PVDV T D V A L E H H E E - C D C V C R G S T G G 182  
 mPDGF-C PVDV T D V A L E H H E E - C D C V C R G N A G G 182

FIG. 9B

VEGF 165	A[R]QENPCGPCSSERRKHLFVQDPQTCKCSC	166
PIGF-2	RPKGRGKRRRENQRPTDCHLCG[D]AVPRR	170
VEGF-B167	DSRPRLC[P]RCTQHHQRDPRT-----CRCRC	161
Pox Orf VEGF	TTTRPPRRRR	133
VEGF-C	I[R]RSLRAT-LPQ[C]QAANK[I]CPTINYM[W]N[N]HI	253
VEGF-D	I[R]RSL[O]TPEEDEC[PH]SKKLCPI[DM]LWONTK	236
PDGF-A	P[R]E[S]GKKRKRKRLKPT	211
PDGF-B	QEQRAK[T]PQTRVTIRTVRVRPPKKGKHKF	225
hPDGF-C PVDV		182
mPDGF-C PVDV		182
VEGF 165	KNTDS-RCKARQLELNERTCRCDKPRR	192
PIGF-2		170
VEGF-B167	RRRSFLRCQGRGLELNPDTCRCRKLRR	188
Pox Orf VEGF		133
VEGF-C	C[R]C[L]A[Q]E[D]F[M]FSSDAG[D]D[S]T[D]G[F]H[D]I[C]G[P]N	283
VEGF-D	C[K]C[V]L[O]D[E]-[T]P[L]P[G]T[E]D[H]S[Y]L[O]E[P]T[L]C[G]P[H]	266
PDGF-A		211
PDGF-B	KH[TH]DKTALKETL[G]A	241
hPDGF-C PVDV		182
mPDGF-C PVDV		182
VEGF 165		192
PIGF-2		170
VEGF-B167		188
Pox Orf VEGF		133
VEGF-C	KEL[D]EETCQCVCVCRAGLRPASC[GP]HKE[LD]RN	313
VAGF-D	[M]T[F]D[E]D[R]-----	273
PDGF-A		211
PDGF-B		241
hPDGF-C PVDV		182
mPDGF-C PVDV		182
VEGF 165		192
PIGF-2		170
VEGF-B167		188
Pox Orf VEGF		133
VEGF-C	S[C]Q[C]VCK[N]KLFPSQCGANREFDENT[C]Q[C]VC	343
VEGF-D	-[C]E[C]VCKAPCPGDLIOHPEN]-----[C]S[C]F[E]	297
PDGF-A		211
PDGF-B		241
hPDGF-C PVDV		182
mPDGF-C PVDV		182

FIG. 9C

VEGF 165		192
PlGF-2		170
VEGF-B167		188
Pox Orf VEGF		133
VEGF-C	K R T C P R N Q P L N P G K C A C E C T E S P Q K C L L K G	373
VEGF-D	C K E S L E S C C O K K K I - - - - -	312
PDGF-A		211
PDGF-B		241
hPDGF-C PVDV		182
mPDGF-C PVDV		182
VEGF 165		192
PlGF-2		170
VEGF-B167		188
Pox Orf VEGF		133
VEGF-C	K K F H H Q T C S C Y R R P C T N R Q K A C E P G F S Y S E	403
VEGF-D	- - F H P D T C S C E D R - C P F H T R T C A S R K P A C G	338
PDGF-A		211
PDGF-B		241
hPDGF-C PVDV		182
mPDGF-C PVDV		182
VEGF 165		192
PlGF-2		170
VEGF-B167		188
Pox Orf VEGF		133
VEGF-C	E V C R C V P S Y W K R P Q M S	419
VEGF-D	K H W R F P K E T R A Q G L Y S O E N P	358
PDGF-A		211
PDGF-B		241
hPDGF-C PVDV		182
mPDGF-C PVDV		182

FIG. 9D

mPDGF- $\alpha$ CUB	ERVVTSISNGSGSIHSPKFPHTYPRNMVLVWRLVAVDENVRI185
mPDGF- $\alpha$ CUB	ERTITIVSTNGSIHSPRFPHYPRNTVLVWRLVAVDENVWI159
hBMP-1 CUB1	CGETLQDSTGNFSPYINGYISANNNCIVWRISVTPGE-KIL360
hBMP-1 CUB2	CGGDVKKDYGNITQSPNYPDYRPSKIVCTWRIOVSEGF-HV473
hBMP-2 CUB3	CGGFLTKLNGSITSPGWXPXYPPNKNCTIWLVAPIQY-RT1629
Neuropilin CUB1	GDTIKITIESPCYLTSPGYPMISYHPSEKCEWLIQAPDPPYQR167
Neuropilin CUB2	CSQNYTTPSCVITKSPGFPETYPNLSLCTYIVPAIXMSE-T195
mPDGF- $\alpha$ cub	QLTFDERDGLD-----PEDDCKYDPVEVEE--PSDGSVL120
mPDGF- $\alpha$ CUB	QLTFDERFGLD-----PEDDICKYDFVEVEE--PSDGTLL93
hBMP-1 CUB1	TLNFTS-LDLYRSA-----LCWIDYVEVVRDCPWAKAPLR393
hBMP-1 CUB2	GLTFQS-FETERND-----SCAYDYLEVVDGHSESTLI506
hBMP-1 CUB3	SLIQFDJF-FETEGND-----VCKYDFVEVRSGLTADSKLH662
Neuropilin CUB1	MTNFINPHFDLED-----CKYDFVEVFDGENENGHFR100
Neuropilin CUB2	ITLEFES-FDLEPDSNPPCCMFCRYDRLHTWDCFPDVGPHI224
mPDGF- $\alpha$ CUB	GRWCGSGTVPGKQTSKGNHIRIRFVSDYFFPSEPGFCIHY160
mPDGF- $\alpha$ CUB	GRWCGSGTVPGEQTSKGNQIRIRFVSDYFFPSEPGFCIHY133
hBMP-1 CUB1	CRFCGS-KLPEIVSTDRLWVEFRSSSNWVGK-GFFAVY431
hBMP-1 CUB2	GRYCGY-EKPDIDKISTSSRLWLKFVSDGSINKA-GFAVNY544
hBMP-1 CUB3	GKFCGS-EKPEVITSQNNWRVEFISDNTVSKK-GFKAHF700
Neuropilin CUB1	GKFCGK-IAPPVSVSSGPFLLIKFVSDYETKGA-GFSIRY138
Neuropilin CUB2	GKYCGGQ-KTPGRIRSSSGILSMVFYTDISAIAKE-GFISANY262
mPDGF- $\alpha$ CUB	STIT
mPDGF- $\alpha$ CUB	MITV
hBMP-1 CUB1	EAL
hBMP-1 CUB2	FK
hBMP-1 CUB3	FSE
Neuropilin CUB1	-ET
Neuropilin CUB2	SVL

FIG. 11



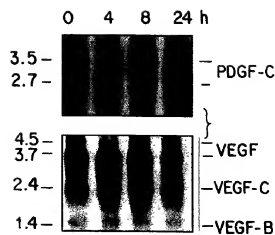


FIG. 13

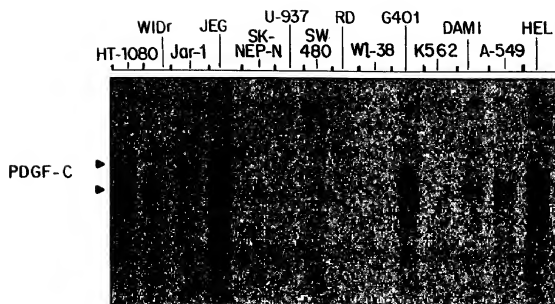


FIG. 14

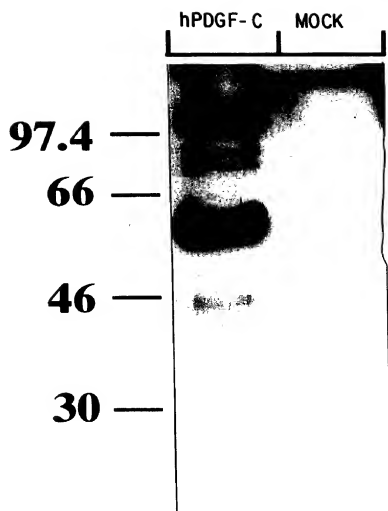


FIG. 15

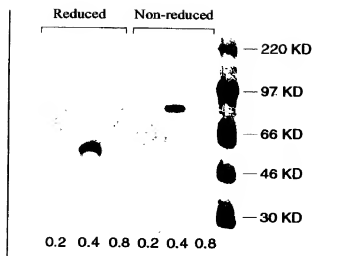


FIG. 16A

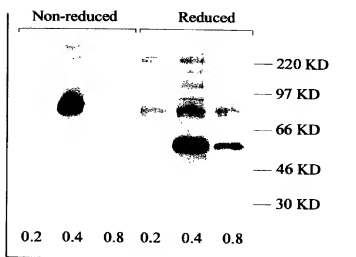


FIG. 16B

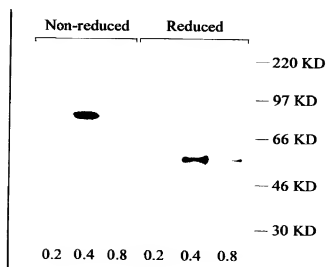


FIG. 16 C

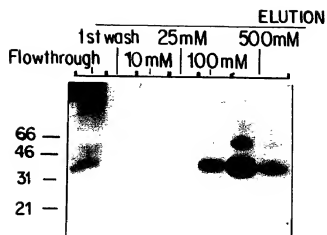


FIG. 17A

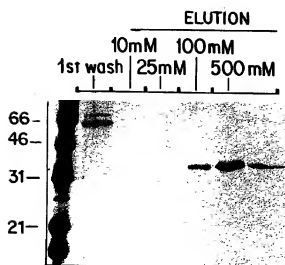


FIG. 17B

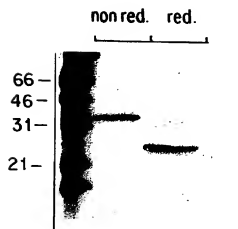


FIG. 17C

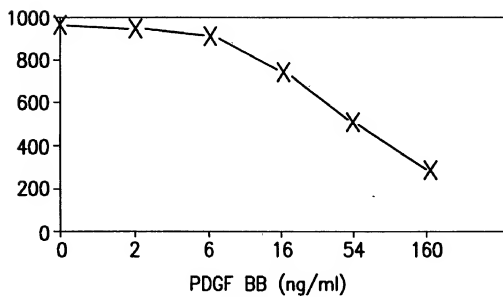


FIG. 18

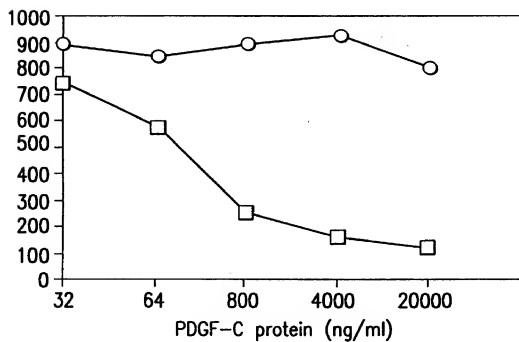
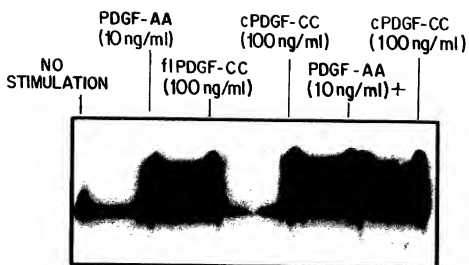


FIG. 19



IP: PDGF alpha-rec.

IB: P-T yr

FIG. 20

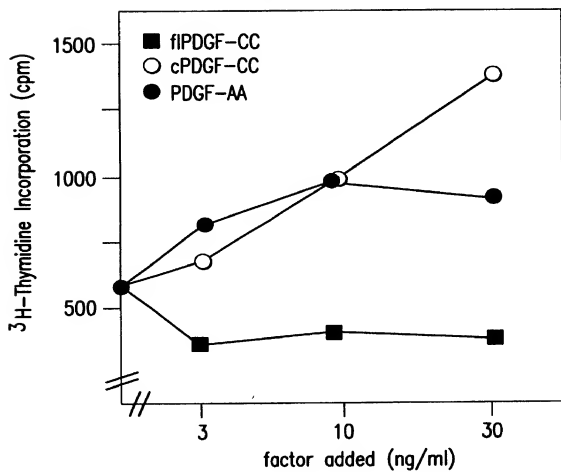


FIG. 21

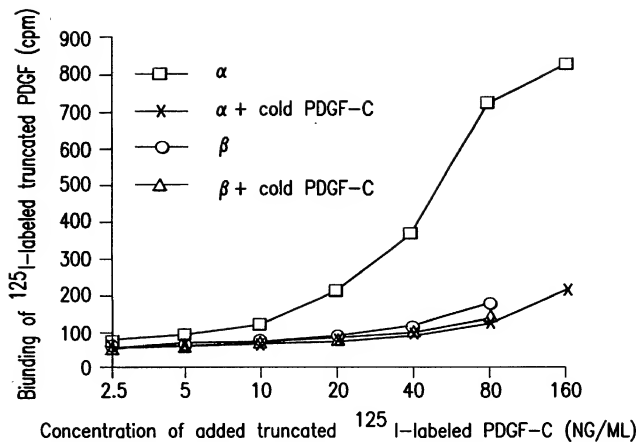


FIG. 22

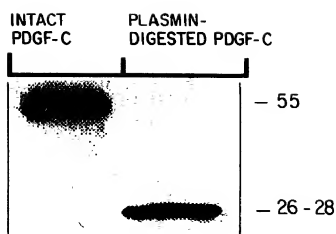


FIG. 23

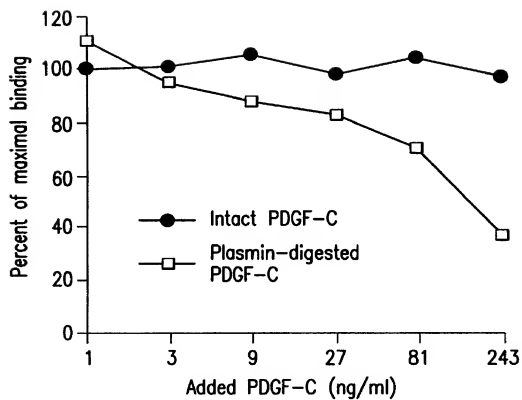


FIG. 24

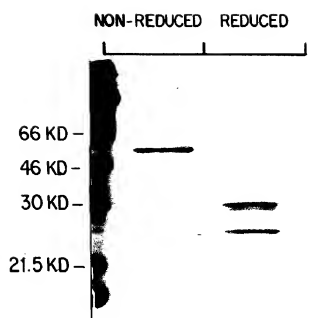


FIG. 25



FIG. 26A

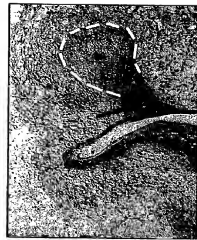


FIG. 26B



FIG. 26C

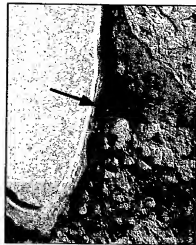


FIG. 26D



FIG. 26E

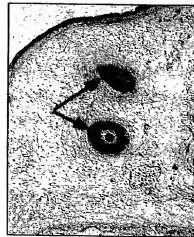


FIG. 26F

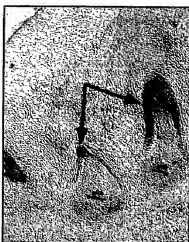


FIG. 26G

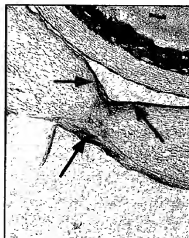


FIG. 26H



FIG. 26I

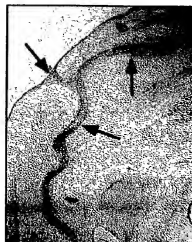


FIG. 26J



FIG. 26K



FIG. 26L

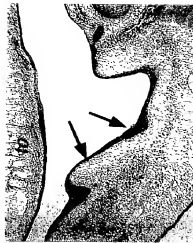


FIG. 26M



FIG. 26N



FIG. 26O



FIG. 26P

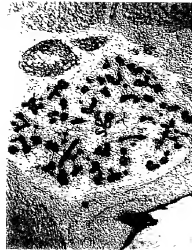


FIG. 26Q



FIG. 26 R

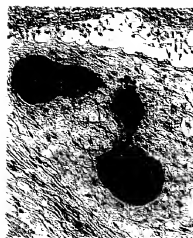


FIG. 26 S



FIG. 26 T

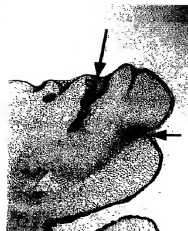


FIG. 26 U



FIG. 26 V



FIG. 27A



FIG. 27B

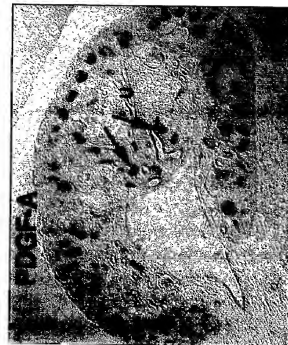


FIG. 27C



FIG. 27D

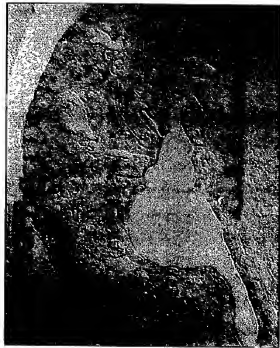


FIG.27E



FIG. 27F



FIG. 28A



FIG. 28B

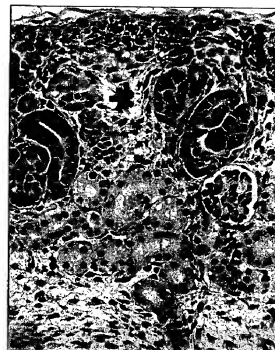


FIG. 28C

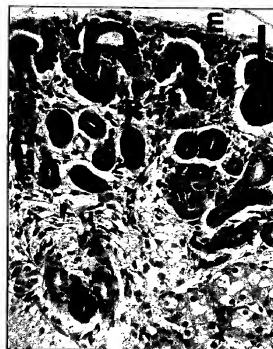


FIG. 28D

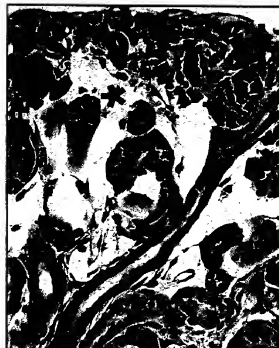


FIG. 28F



FIG. 28E

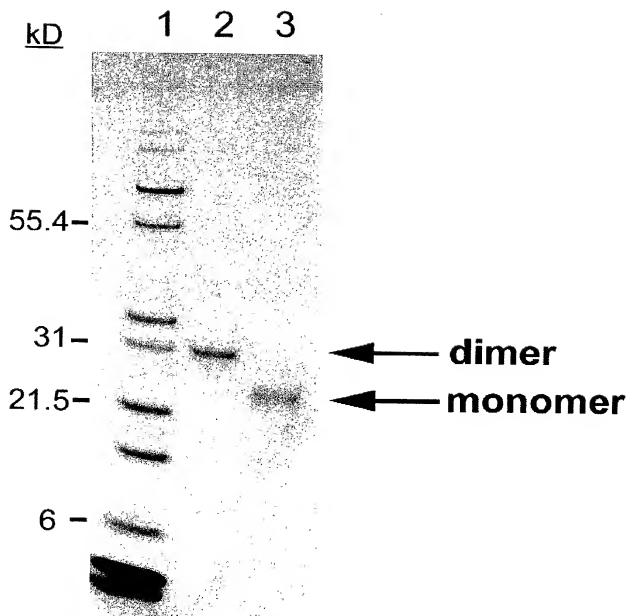


FIG. 29

FIG. 30A

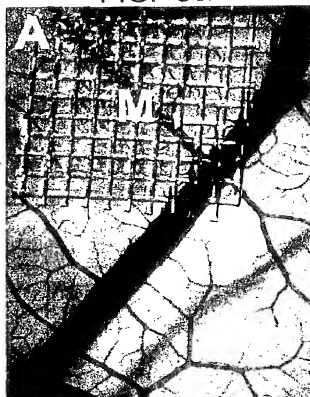


FIG. 30B



FIG. 30C

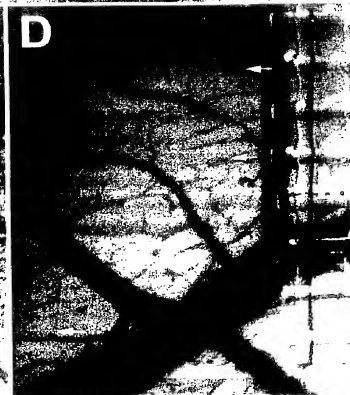


FIG. 30D

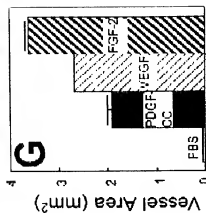
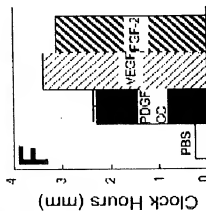
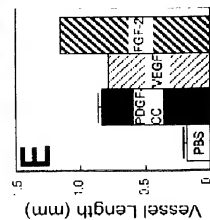
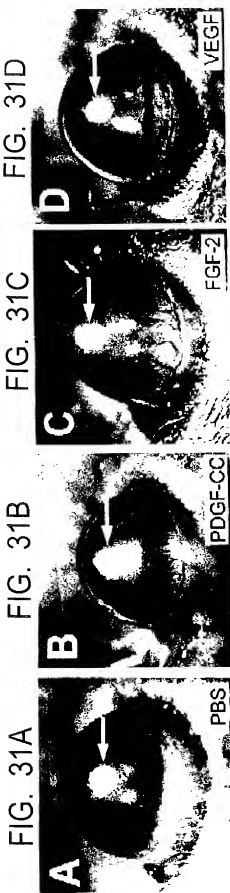
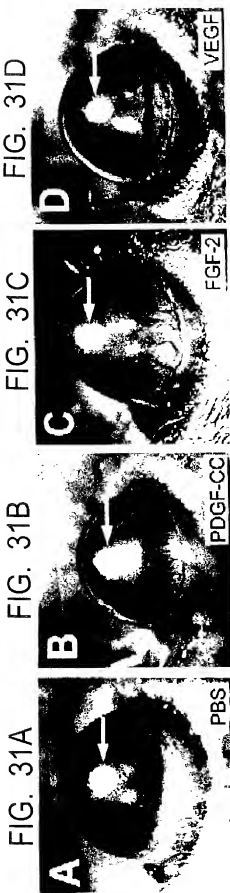
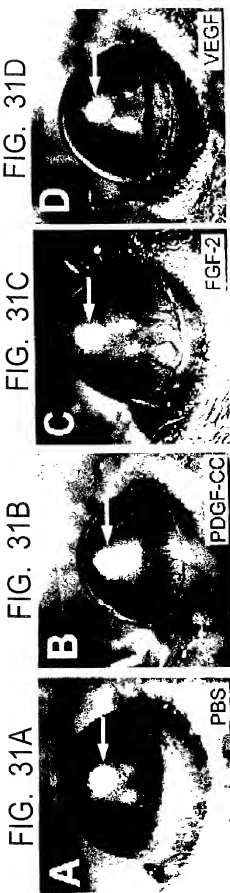
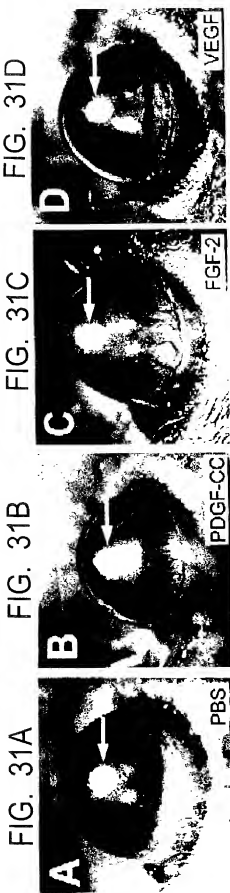
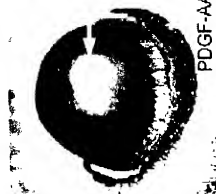


FIG. 31G

FIG. 31F

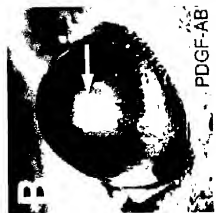
FIG. 31E

FIG. 32A



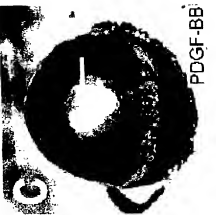
PDGF-AA

FIG. 32B



PDGF-AB

FIG. 32C



PDGF-BB

FIG. 32D



PDGF-CC

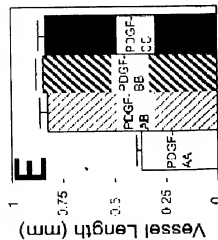


FIG. 32E

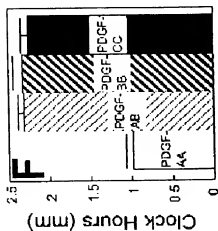


FIG. 32F

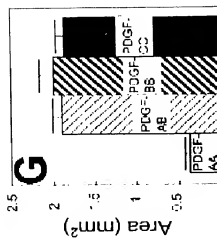


FIG. 32G

FIG. 33A



FIG. 33B



FIG. 33C

FIG. 33D

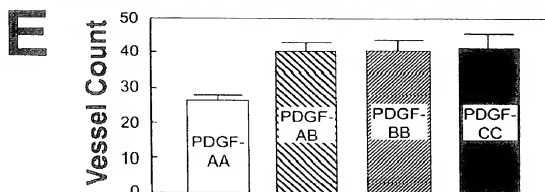


FIG. 33E